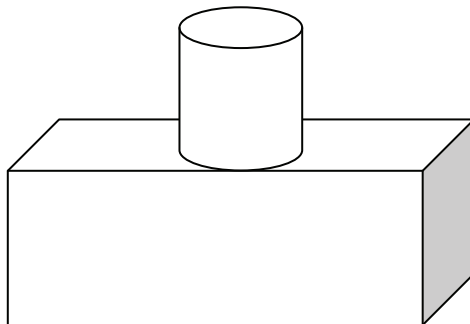
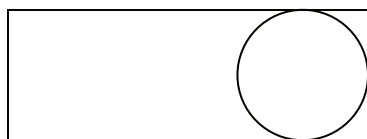




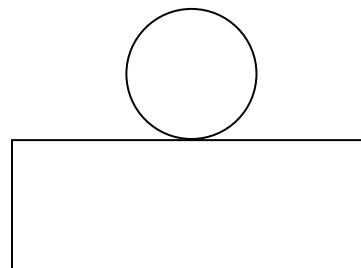
- 1 Which of the following represents the top view of the figure below?



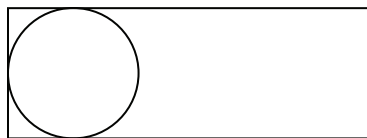
A



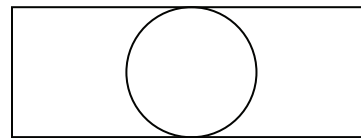
C



B

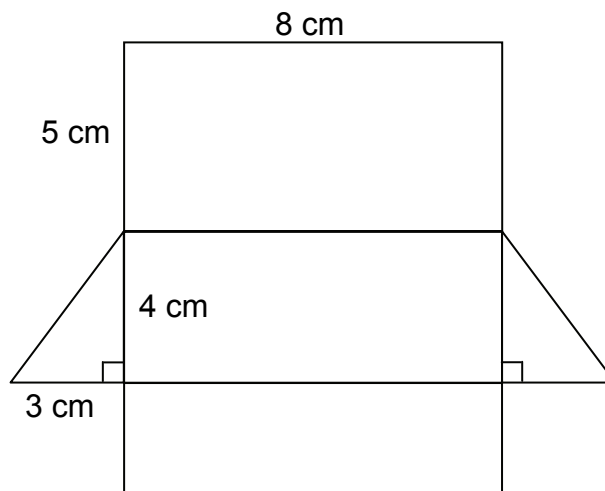


D





- 2 A net of a building block is shown below.



What is the lateral surface area of the building block?

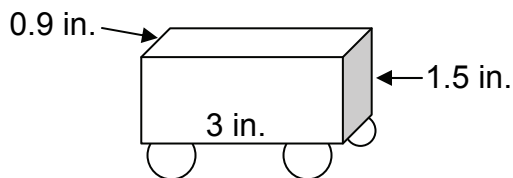
- A 120 cm^2
- B 108 cm^2
- C 96 cm^2
- D 84 cm^2



- 3 Mr. Jones has a cylindrical water storage tank. The tank has a diameter of 6 feet and a height of 12 feet. Mr. Jones wants to paint the tank but since the tank rests on a concrete slab, he will not need to paint the bottom of the tank. If Mr. Jones needs to determine how much paint he will need to buy, what other information does he need to know?

- A How thick is the concrete slab
- B How much a gallon of paint costs
- C How much water the tank holds
- D How many square feet 1 gallon of paint covers

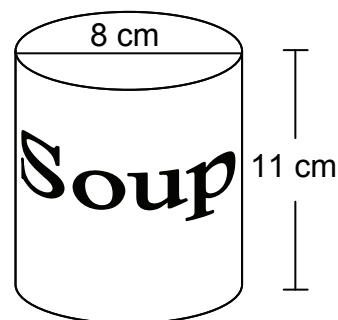
- 4 Mrs. Gonzales is painting the box cars in her son's wooden train set. The box cars are in the shape of the rectangular prism shown below.



How many square inches of paint will it take to cover one box car?

- A 17.1 square inches
- B 14.4 square inches
- C 11.7 square inches
- D 4.05 square inches

- 5 Betty has several cans of soup in her pantry.

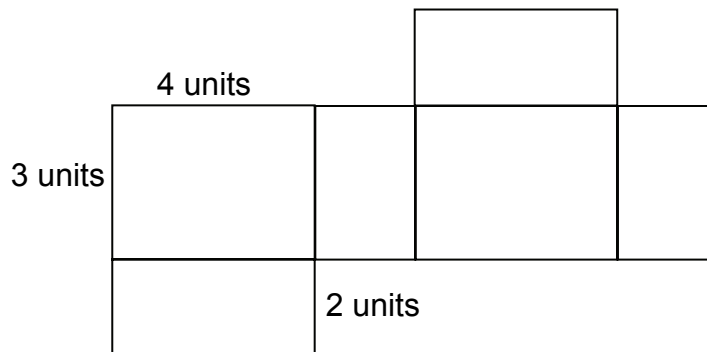


Which is closest to the lateral surface area of the can of soup?

- A 88 cm^2
- B 276.32 cm^2
- C 376.8 cm^2
- D 552.64 cm^2



- 6 A candy company makes candy in the shape of rectangular prisms.

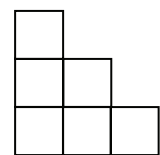


What is the surface area of 1 piece of candy?

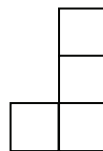
- A 26 square units
- B 38 square units
- C 52 square units
- D 96 square units



- 7 The drawings show the front view and the side view of a solid figure built with cubes.



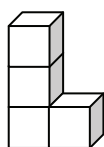
Front View



Side View

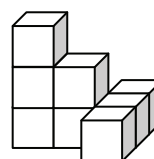
Which drawing shows a 3-dimensional view of the solid figure represented above?

A



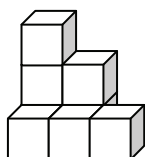
Front

C



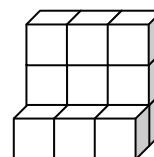
Front

B



Front

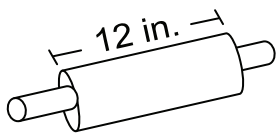
D



Front



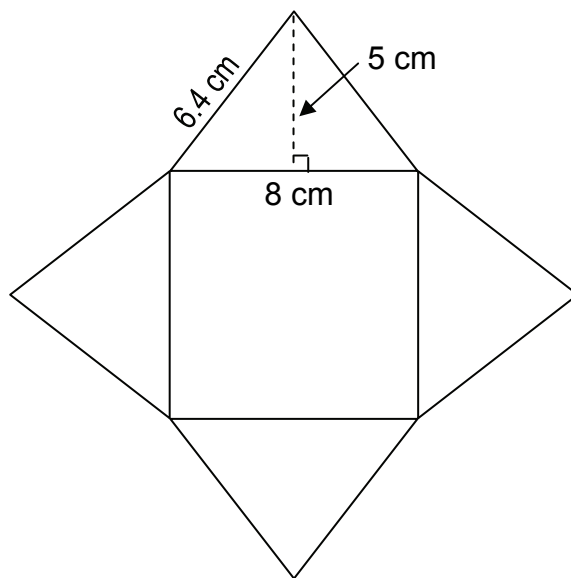
- 8 Mrs. Armsted is using a rolling pin to flatten her cookie dough.



If the diameter of the rolling pin is 2 inches, about how many square inches of cookie dough will come into contact with the rolling pin after 1 complete revolution of the rolling pin?

- A 75.36 in.²
 B 78.5 in.²
 C 81.64 in.²
 D 150.72 in.²
- 9 A company uses cylindrical containers for its product. Each container has a diameter of 10 inches and a height of 8 inches. Which is closest to the surface area of the container?
- A 80π in.²
 B 130π in.²
 C 288π in.²
 D 360π in.²

- 10 Pasha drew the net of a square pyramid shown below.

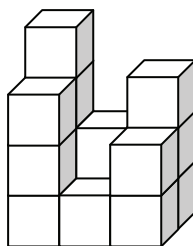


What is the surface area of Pasha's net?

- A 64.4 cm²
 B 80.0 cm²
 C 144.0 cm²
 D 166.4 cm²



- 11 Hina built a solid by stacking building blocks. The solid she built is shown below



Front View

Which drawing best represents the front view of this solid figure?

